

**FELDER®**

**D 963**

THE MOST  
HEAVY-DUTY PLANER  
OF THE FELDER RANGE

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# D 963

The most heavy-duty planer of the Felder range



Solid wood



Plastic



The clear machine design displays the key competences of the Felder D 963 at first glance: strength, stability and operating comfort of the highest level. Optimized for maximum requirements – with 24 <sup>51</sup>/<sub>64</sub>" thickening width, this thickener is a powerhouse of performance and precision. Innovative operating controls and large dimensioned, heavy-duty precision components ensure superb machining, maximum precision and durability.

When aiming for gentle and careful workpiece processing, the thickener with 24 <sup>51</sup>/<sub>64</sub>" planing width has nevertheless remained a powerhouse in terms of performance and precision. Large-sized, heavy-duty precision components convince with first-class workmanship, maximum precision and durability. The D 963 combines proven Felder system components such as the solid thickening table and the four trapezoidal threaded spindles to achieve a completely new dimension in the quality of the planing result.



## D 963

- » Planing width: 20 <sup>5</sup>/<sub>64</sub>"
- » Cutterblock: self-aligning planer knives; Silent-Power® Spiral Knife Cutterblock (optional)
- » Thickening table length: 41 <sup>11</sup>/<sub>32</sub>" (64 <sup>61</sup>/<sub>64</sub>" )
- » Max. depth of cut: 8 mm
- » Thickening height <sup>1</sup>/<sub>8</sub>-11 <sup>13</sup>/<sub>16</sub>"
- » Feed speed: variable 13–52 ft/min

## D 963 c-tech

- » Planing width: 20 <sup>5</sup>/<sub>64</sub>"
- » Silent-Power® "c-tech" spiral blade cutterblock with special cutting geometry for plastic processing
- » More operating comfort: Digi-Drive-control
- » Rubber in- and outfeed rollers
- » Max. depth of cut: 3 mm
- » Thickening height <sup>1</sup>/<sub>8</sub>-11 <sup>13</sup>/<sub>16</sub>"
- » Feed speed: variable 6–26 ft/min

## ... Your decision for Felder, a risk-free decision

- » The right machine for every budget
- » Complete reliability in professional use
- » Tailor made machine solutions
- » High quality cast iron machine table and aggregates
- » Innovative detail solutions derived from 65 years of experience - already included in the standard configuration
- » First class manufacturing and finishing standards
- » Intuitive application concepts
- » Modern, distinct design
- » Quality and precision from AUSTRIA
- » Powerful and efficient
- » Complete package: Comprehensive service support



# The most important highlights at a glance



## Silent-Power®

Exclusive for jointer/planers from the Felder Group The Silent-Power® spiral blade cutterblock cuts noise levels during planing by well over half and provides a continuous pulling cut for tear-free planing patterns in any type of wood. With this revolutionary new development from you are obtaining all of the advantages of a spiral cutterblock at considerably lower operating, investment and adjustment costs. The benefits of the Silent-Power® spiral blade cutterblock at a glance:

- » Sensationally quiet, noise is reduced by 50%!
- » Blade life up to 20 times longer
- » Four highly precise cutting edges on each knife
- » Optimized chip extraction and reduced chip volume
- » Tear-free planing results



## Variable infeed

Regardless of the type of wood and grain, the variable feed speed of between 13–52 ft/min always guarantees a perfect planing result.



## "Digi-Drive"

Enter the thickness required, press Start and the thickening bed adjusts exactly to the desired position. LED displays for the required and actual values. Additional functions: incremental adjustment, 4 programmable thickening table positions.



## Power-Drive

The fully electrical "Power-Drive" planer table control offers the most precise adjustment and repeat accuracy. With a turn of the knob, you can quickly adjust the thickening height, then fine-adjust using the button. With the integrated LED-display, you can easily see the current actual value.

# Details



## Cutterblock housing

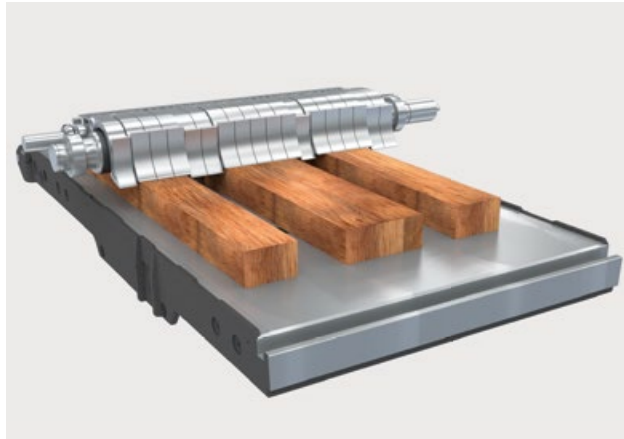
The solid cast iron cutterblock housing is built for heavy duty work. On request, rubberized outfeed rollers can be supplied. The pressure beams combined with the rubber or segmented infeed roller serves to machine simultaneously workpieces of differing width.



## FELDER System cutterblock

The Felder system cutterblock has guaranteed perfect planing results for decades

- » Knife change in less than two minutes
- » Self-aligning knives are perfectly set each and every time
- » No resin buildup on the clamping screws
- » Extremely smooth operation due to the enclosed design
- » Maximum durability of the knives
- » Cost saving with cheaper knife costs



#### Spring loaded segmented pressure beam

A recommended option when planing with a small depth of cut, with very thin workpieces or workpieces with different thicknesses.



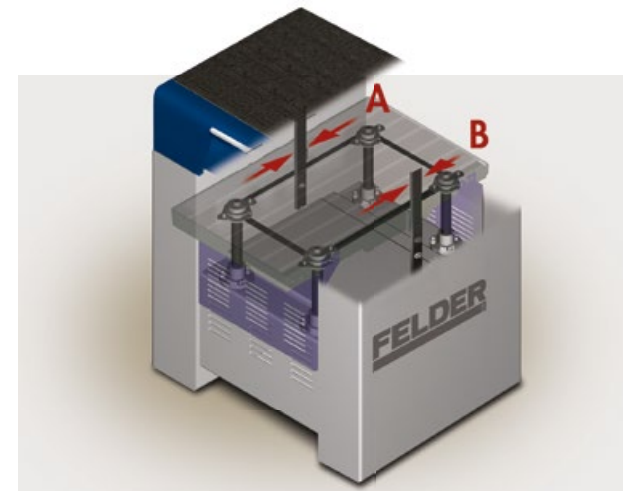
#### Perfect planing technology

Two pressure bars prevent the fluttering of the workpiece, in particular thinner pieces when thicknessing.



#### Application of lubricants

Apply the lubricant via the wick from the tank onto the underside of the workpiece.



#### Trapezoidal threaded spindle

4 trapezoidal support spindles ensure utmost precision and high load bearing capacity. The thickening table slides precisely along the vertical guides in longitudinal direction (A + B). These longitudinal guides also absorb the feed pressure occurring during thickness planing in the direction of the outfeed.



#### Adjustable under table roller

Optional integrated adjustable bed rollers are available for processing workpieces with high resin or moisture content.



#### Scissor lifting table

On request, the thickening table can be extended by  $45^{\circ} \frac{7}{32}$ " with a scissor lifting table.



#### Table extension

When thickness planing several workpieces at the same time, the  $22^{\frac{7}{16}}$ " long table extension with outfeed workpiece roller assists in the removal of the finished workpieces.



#### Support roller

For those customers that regularly process wet or resinous wood, we would recommend the option of the workpiece roller and lubrication unit on the infeed side of the machine.

Technical specifications

| Electrics |  | D 963 | D 963 c-tech |
|-----------|--|-------|--------------|
| 001       | 3x 400 V motor voltage                               | S     | S            |
| 002       | 3x 230 V motor voltage                               | O     | O            |
| 004       | 50 Hz motor frequency                                | S     | S            |
| 005       | 60 Hz motor frequency                                | O     | O            |
| 008       | 10.0 PS (7.35 kW)                                    | S     | S            |
| 009       | 13.5 HP (10.0 kW)                                    | O     | O            |
| 10        | Star-delta start is necessary from 7.5 HP and 3x230V | S     | S            |
| 12        | Switch contact for the control of an extractor       | O     | O            |

| Cutterblock |  |     |     |
|-------------|--|-----|-----|
| 39          | 4 knife Felder-system cutter-block                             | S   |     |
| 44          | Silent-Power spiral cutterblock c-tech for synthetic materials |     | S   |
| 44          | Silent-Power spiral cutterblock                                | O   |     |
| -           | Number of knives – Silent-Power spiral cutterblock             | 95  | 95  |
| -           | Cutterblock diameter in mm                                     | 120 | 120 |

| Thickneser and feed gears; |  |       |       |
|----------------------------|--|-------|-------|
| 224                        | Table extension with workpiece roller for the thickneser table (24 <sup>51</sup> / <sub>64</sub> x 22 <sup>7</sup> / <sub>16</sub> " | O     | O     |
| 50                         | Thicknessing width in mm   | 630   | 630   |
| 53                         | Electrical height adjustment for thickneser table ("Power-Drive" D1) (#55/60)  | S     | O     |
| 55                         | Electronic digital display for the thicknessing table adjustment (#53)   | S     |       |
| 57                         | Variable speed 6–26ft/min  |       | S     |
| 57                         | Variable speed 13–52 ft/min  | S     |       |
| 59                         | 2 adjustable rollers under the thicknessing table, adjustment range 0–0.5 mm (#53)   | O     |       |
| 60                         | Positioning control for thickneser table height, dimensions can be preselected ("Digi-Drive D1") (# 53)                              | O     | S     |
| 61                         | Rubberised infeed roller (#62)   | O     | S     |
| 62                         | Rubber outfeed roller  | O     | S     |
| 63                         | Spring loaded segmented pressure bar (recommended with Option 061)   | S     | S     |
| 64                         | Second steel outfeed roller  | O     |       |
| 65                         | Second rubber coated outfeed roller  | O     | O     |
| -                          | Steel outfeed roller, micro-serrated   | S     |       |
| -                          | Min.-max. thicknessing height in mm  | 3–300 | 3–300 |
| -                          | Steel infeed roller  | S     |       |
| -                          | Min. workpiece length in mm  | 250   | 250   |
| -                          | Max. depth of cut (mm)   | 8     | 3     |

| General |  | D 963 | D 963 c-tech |
|---------|--|-------|--------------|
| -       | Thickneser extraction connection-Ø in mm | 160   | 160          |
| -       | Weight kg (with standard configuration)  | 845   | 845          |

| Important accessories |  |   |   |
|-----------------------|--|---|---|
| 211                   | 24 <sup>51</sup> / <sub>64</sub> " thickneser table workpiece roller on the infeed side                          | O | O |
| 223                   | IPPC palette   | O | O |
| 225                   | The scissor lifting table to be mounted on the thickneser table  | O | O |
| 226                   | Coupling system for table extension with F-coupling (on the outfeed side)  | O | O |
| 58                    | Automatic lubricant application at the infeed of the thicknessing table with workpiece roller on the infeed side | O |   |

| Transport |                                 |   |   |
|-----------|---------------------------------|---|---|
| 221       | Container transport preparation | O | O |



Product range

Sliding Table  
Panel Saws



K 945 S



K 740 S



K 740 professional



K 700 S



K 700 professional



K 700



K 540 S



K 500 S



K 500 professional



K 500

Shapers



F 900 M



F 900 Z



F 700 M



F 700 Z



F 500 MS



F 500 M

Saw-Shapers



KF 700 S professional



KF 700 professional



KF 700



KF 500 professional



KF 500

Planers



AD 951



AD 941



AD 741



AD 531



A 951 L



A 941



D 951



D 963

Combination  
machines



CF 741 S professional



CF 741 professional



CF 741



CF 531 professional



CF 531

Bandsaws



FB 940 RS  
FB 740 RS



FB 940 S/SW  
FB 740 S/SW



FB 940/840  
FB 740/640



FB 710  
FB 610  
FB 510

Dowel Boring Machine,  
Drilling Machine and  
Horizontal Mortiser



FD 29 professional



FD 21 professional



FD 250

Heated  
Veneer  
Presses



MVP 31.14 flex

Wide Belt Sanding  
Machines



FW 1102 perform



FW 1102 classic



FW 950 classic



FW 850 classic

FW 1102 perform  
FW 1102 classic  
FW 950 classic  
FW 850 classic

Brushing  
Machine



structura 60.02



structura 40.02

Belt and  
Edge Sanders



FS 722



FS 900 KF



FS 900 K



FS 700 K

Edgebanders



G 560 / G 580 classic



G 500 EX



G 380



G 360



G 330



G 263



G 220



ForKa 300 S eco

Vertical  
panel saw



KV 925

Extraction Units &  
Briquetting Presses



RL 350



RL 300



RL 250



RL 200



RL 160



RL 140



RL 125



FBP 50/60/70



AF 22-D200



AF 22 Mobil/Stand/Wandmontage



AF 16



AF 14



AF 12



## FELDER Quality and precision in a nutshell

Since 1956, a guarantee for perfect results with excellent ease of use and reliability in regular professional use. Woodworkers are always enthusiastic about the individual and solid solutions for small and mid-sized businesses.

### FELDER GROUP

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